

### Abstract

Described is a flexible, solid fire sealant produced by high shear mixing in a substantially volatile-free state and capable of being molded or extruded into a variety of shapes and used as firestops for windows, doors, dampers, shutters, and through-penetrations, the sealant containing water-insoluble intumescent mineral granules, a polymeric, halogen-free binder, and a flame retardant, wherein the sealant has a softness value from about 0.01 to about 3.75 mm and exhibits high expansion values and chars upon exposure to heat.

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